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cancel

10c. Accordingly, also in the third embodiment, the corrugated strip steel plate 8c is always held in a predetermined axial position of an annular gap G without fail. The depth T of the annular concave portion and the width δ of the annular gap are determined so that the sum (T+t) of the depth T of the annular concave portion and the thickness t of the corrugated strip steel plate is 0.8 and 1.3 times of the width δ of the annular gap. Thus, the effect to prevent the axial positional offset or axial displacement of the corrugated plate-like damper member is further enhanced. In the first embodiment and the second embodiment, two corrugated plate-like damper members are used. However, in the third embodiment, the single wide corrugated plate-like damper member is used, thereby the cost is advantageously reduced.--

IN THE CLAIMS:

Amend claim 1 by rewriting it in amended form as follows:

B4

1. (Twice Amended) A magnetic bearing apparatus comprising: a rotor shaft; a radial magnetic bearing for supporting the rotor shaft in a radial direction; a thrust magnetic bearing for supporting the rotor shaft in an axial direction; a touchdown bearing surrounding a lower end portion of the rotor shaft; a retainer member for supporting the